

ABSTRACT OF THE DISCLOSURE

Fluid in a chamber, through which a fuel control armature is moving, is used to dampen armature vibrations. This dampening effect is achieved by forming a passage through which the fluid flows as the actuator moves to a steady state position. This passage may be implemented in a control module for controlling fuel delivery in a fuel injector. The control module includes a control module housing defining the cavity. The armature is disposed at least partially within the cavity. The armature affects the flow of fuel in the injector by changing the area of a fuel port through which fuel passes. The fluid passage is formed as the armature moves towards a contact wall defining the cavity.